

Please amend claims 10-18 and cancel claim 19.

IN THE CLAIMS:

- 1-9. (Cancelled)
10. (Currently Amended) A ~~chimeric~~transgenic chicken whose genome is comprised of a transgene stably integrated into the genome of the chicken wherein the transgene is comprised of human variable, and joining regions and wherein a population of B lymphocytes of the chicken are comprised of a human immunoglobulin locus encoding a human immunoglobulin heavy or light chain immunoglobulin molecule.
11. (Currently Amended) A ~~chimeric~~transgenic chicken of claim 10, wherein the transgene is comprised of a human immunoglobulin heavy chain locus comprising at least one human heavy chain V gene, at least one human heavy chain D genes, and at least one human heavy chain J gene.
12. (Currently Amended) A ~~chimeric~~transgenic chicken of claim 11 wherein the transgene comprises a plurality of human heavy chain V genes.
13. (Currently Amended) A ~~chimeric~~transgenic chicken of claim 11 wherein the transgene comprises a plurality of human heavy chain D genes.
14. (Currently Amended) A ~~chimeric~~transgenic chicken of claim 11 wherein the transgene comprises a plurality of human heavy chain V genes.
15. (Currently Amended) A ~~chimeric~~transgenic chicken of claim 11 wherein the transgene comprises a plurality of human heavy chain pseudo V genes.
16. (Currently Amended) A ~~chimeric~~transgenic chicken of claim 10 wherein the B lymphocytes of the chicken undergo functional immunoglobulin gene rearrangement class switching to yield isotype G immunoglobulin molecules.

17. (Currently Amended) A ~~chimeric~~transgenic chicken of claim 10 wherein the human heavy or light chain immunoglobulin molecule is deposited in the yolk of an egg produced by the transgenic chicken.

18. (Currently Amended) A ~~chimeric~~transgenic chicken of claim 11 wherein the transgene comprises a plurality of human light chain pseudo V genes.

19-20. (Cancelled)